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Day: Thursday Date: 3/17/2005

Time: 11:18:28

## Continuity Information for 09/312351

### **Parent Data**

09312351

Claims Priority from Provisional Application 60085764

### **Child Data**

<u>09779791</u> is a continuation in part of <u>09312351</u> <u>09795607</u> is a division of <u>09312351</u>

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# **Inventor Information for 09/312351**

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Back to PALM | ASSIGNMENT | OASIS | Home page

### PALM INTRANET

Day: Thursday Date: 3/17/2005

Time: 11:18:39

### **Application Number Information**

Application Number: 09/779791

**Assignments** 

Filing or 371(c) Date: 02/08/2001

Effective Date: 02/08/2001

Application Received: 02/09/2001

Pat. Num./Pub. Num: /20050020518

Issue Date: 00/00/0000

Date of Abandonment: 00/00/0000

AND FORWARDED TO EXAMINER

Attorney Docket Number: Mirus.006.03

Status: 71 /RESPONSE TO NON-FINAL OFFICE ACTION ENTERED

Confirmation Number: 6737

Examiner Number: 77509 / WOITACH, JOSEPH

Group Art Unit: 1632

Class/Subclass: 514/044.000

Lost Case: NO

Interference Number:

Unmatched Petition: NO

L&R Code: Secrecy Code:1

Third Level Review: NO

Secrecy Order: NO

**IFW IMAGE** 

Status Date: 01/28/2005

Oral Hearing: NO

Title of Invention: COMPOUND CONTAINING A LABILE DISULFIDE BOND

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Back to PALM | ASSIGNMENT | OASIS | Home page

#### AMENDMENTS TO THE CLAIMS

In the claims, please amend claims 1, 2, 6 and 13 as follows:

- 1. (currently amended) A compound for inserting into a mammal, comprising: the compound having a disulfide bond that is labile under mammalian physiologic conditions selected from the group consisting of (a) a disulfide bond that is cleaved more rapidly than exidized glutathione and (b) a disulfide bond constructed from thiels in which one of the constituent thiels has a lower pKa than glutathione and wherein the compound contains a transduction signal.
  - A compound for delivering a molecule from outside a mammalian cell to the cytoplasm of said mammalian cell comprising: said molecule covalently linked to a transduction signal via an activated disulfide bond that is cleaved more rapidly than oxidized glutathione wherein said transduction signal transports said molecule to the cytoplasm of said cell and cleavage of said disulfide bond in said cell enhances delivery of said molecule to the cytoplasm of said cell.
- 2. (currently amended) The compound of claim 1 wherein the transduction signal consists of Tat a peptide with sequence substantially identical to SEO ID 1.
- 3. (original) The compound of claim 1 wherein the transduction signal consists of VP22.
- 4. (original) The compound of claim 1 wherein the transduction signal consists of ANTP.
- 5. (original) The compound of claim 1 wherein the transduction signal consists of a polymer containing a cationic charge.
- 6. (currently amended) The compound of claim 5 elaim 1 wherein the transduction signal consists of a peptide containing cationic residues.
- 7-12. (canceled)
- 13. (currently amended) The compound of claim 1 wherein the compound said molecule is associated with a nucleic acid.